DEC STD 178-0 Digital Identification Marking Requirements - Introduction

DOCUMENT IDENTIFIER: A-DS-EL00178-00-0000 Rev E2, 15-May-1991

ABSTRACT: This section of DEC STD 178 introduces Digital's general marking policy, and refers to other sections and documents that provide specific marking requirements for Digital's products. This standard identifies the specific part or product categories that have unique marking requirements, defines their specific requirements, and identifies the organizations responsible for providing technical support.

APPLICABILITY: The specified marking requirements are mandatory for anyone involved in the design or manufacture of hardware parts and products.

Software products must conform to the requirements of the software visual identity program.

This standard does not cover methods and requirements for the use of Digital's logo and trademarks and overall product identity. For information about those requirements, contact the Corporate Design Group, DTN: 223-5717, MLO8-2/L13.

STATUS: APPROVED 15-MAY-1991; use VTX SMC for current status.

This document is confidential and proprietary, and is the property of Digital Equipment Corporation. It is an unpublished work protected under the Federal copyright laws.

© Digital Equipment Corporation. 1989, 1991. All rights reserved.

DEC STD 178-0 Digital Identification Marking Requirements - Introduction

DOCUMENT IDENTIFIER: A-DS-EL00178-00-0000 Rev E2, 15-May-1991

REVISION HISTORY:	Rev A,	02-Feb-1978	
	Rev B,	13-Dec-1984	ECO Number APO01
	Rev C,	17-Apr-1986	ECO Number LJO02
	Rev D,	01-Dec-1986	ECO Number LJO03
	Rev E,	21-Sep-1987	ECO Number LJO04
	Rev E1,	21-Sep-1989	ECO Number CTS05
	Rev E2,	15-May-1991	ECO Number CTS06

Document Management Category:	Product Labeling (HRL)
Responsible Department:	Corporate Design Group
Responsible Person:	Frank Cornine
SMC Writer:	Eric Falkof

APPROVAL: This document has been recommended for approval for use within Digital by the General Review Group for its category. Rev E2 incorporates clerical changes only.

Frank Cornine - Standard Owner

Eric Williams - Standards Process Manager

Direct requests for further information to:

Frank Cornine
Use $ VTX ELF for the latest location information.

Use VTX SMC to order copies of this document from Standards and Methods Control. Send distribution questions to JOKUR::SMC or call DTN: 234-4423.

CONTENTS

1 INTRODUCTION 1
1.1 PURPOSE 1
1.2 RESPONSIBILITIES 1
2 GENERAL INFORMATION 2
3 LABEL ARTWORK 3
4 LABEL QUALITY 3
5 MODULE MARKING 3
Appendix A REFERENCED DOCUMENTS 5
A.1 EL-Class Digital Documents 5

Each of the following sections of this standard has its own Table of Contents.

DEC STD 178-1 Digital Marking Requirements for Piece Parts

DEC STD 178-2 Digital Marking Requirements for Subassemblies: Field Replaceable Units (FRU) and Non-field Replaceable Units

DEC STD 178-3 Digital Marking Requirements for Completed Products Intended to Be Sold

DEC STD 178-4 Shipping Container Marking Requirements for Finished Goods

DEC STD 178-5 Marking Symbology

DEC STD 178-6 Marking and Labeling Requirements for Diagnostic Tools and Diagnostic Software

DEC STD 178-7 Translations

DEC STD 178-8 General Shipping Documentation and Container Labeling Requirements for Finished Goods Intended to Be Shipped to Customers

DEC STD 178-9 Shipping Container Marking Requirements for Goods in Process

DEC STD 178-10 Design Requirements for Product Markings

1 INTRODUCTION

Digital maintains a standard policy regarding product identity and how and where Digital's logo and trademarks are to be used and applied to emphasize the integrated nature of Digital products, to simplify their appearance, and to increase the flexibility of individual components and options.

These product identity requirements can be obtained by contacting the Corporate Design Group, DTN: 223-5717, MLO8-2/L13.

There are other identification markings that are used to facilitate traceability of parts or products, or to indicate conformance or acceptability to testing or regulatory requirements. These identification marking requirements and the necessity for conformance vary, depending upon what the part or product is, how it is to be used, and what is to be accomplished by that marking.

Providing all the marking that is desired on a part or product, may be physically or economically impractical. It then becomes necessary to decide the essential marking requirements and determine which can be eliminated without impacting legal requirements or applications where visibility of that marking is critical to job performance.

1.1 PURPOSE

This standard consolidates and categorizes hardware part and product marking requirements into a manageable overview that will facilitate engineering and manufacturing implementation of these requirements into product design. Some marking requirements are provided in other documents. Where another document provides the specific marking information needed, only a summary of the physical marking requirements is provided. The appropriate governing document is referenced for further detail.

Software products must conform to the requirements of the software visual identity program.

1.2 RESPONSIBILITIES

The responsible engineer for a product shall determine and specify the marking to be used for parts or products in accordance with the appropriate sections of this standard.

The requirements for a particular part are documented in the design documentation for parts and products manufactured by Digital, or in the purchase specifications for external supplier-provided parts.

Engineering and Manufacturing are responsible to ensure compliance, and when necessary, select specific external supplier processes and controls for identifying parts received from Digital's supplier.

These requirements apply to ALL products designed, manufactured, repaired, converted, and/or distributed by Digital (new, used, or external supplier-provided equipment), as well as all products serviced by Digital (all equipment manufactured and distributed, as well as those items serviced under supplier equipment service agreements).

2 GENERAL INFORMATION

Marking requirements vary, depending on what the part or product is, and how it is to be used. This standard provides specific requirements in the following sections.

EL-00178-01 - *DEC STD 178-1 Digital Marking Requirements for Piece Parts*

This section specifies the part marking requirements for identifying piece parts designed by Digital that are manufactured or purchased by Digital Equipment Corporation. These requirements must appear in the documentation for the part.

EL-00178-02 - *DEC STD 178-2 Digital Marking Requirements for Subassemblies: Field Replaceable Units (FRU) and Non-Field Replaceable Units*

This section describes the product documentation requirements for marking field replaceable unit (FRU) subassemblies and non-FRU subassemblies.

EL-00178-03 - *DEC STD 178-3 Digital Marking Requirements for Completed Products Intended to Be Sold*

This section describes the documentation requirements for marking Digital's hardware products, and defines those marking attributes required during field maintenance and support of that product.

EL-00178-04 - *DEC STD 178-4 Shipping Container Marking Requirements for Finished Goods*

This section describes the requirements for marking and labeling of finished goods packaging for shipment of Digital's finished goods.

EL-00178-05 - *DEC STD 178-5 Marking Symbology*

This section provides the graphic symbols that are approved for use on Digital's hardware and software products. These symbols identify controls, functions, handling, and safety hazards.

EL-00178-06 - *DEC STD 178-6 Marking and Labeling Requirements for Diagnostic Tools and Diagnostic Software*

This section defines labeling and marking requirements for media that is used for distributing diagnostics information. This document identifies the labels to be used on a product-by-product basis.

EL-00178-07 - *DEC STD 178-7 Translations*

This section provides the translations for labels on Digital products that are required either by Digital or by the regulatory agencies in countries to which Digital products are shipped.

EL-00178-08 - *DEC STD 178-8 General Shipping Documentation and Container Labeling Requirements for Finished Goods Intended to Be Shipped to Customers*

This section of DEC STD 178 describes the requirements for container label content/format and the associated shipping documentation for finished goods intended to be sold/shipped to customers.

EL-00178-09 - *DEC STD 178-9 Shipping Container Marking Requirements For Goods In Process*

This section of DEC STD 178 describes the requirements for preprinting and labeling of Digital's shipping containers for goods in process between Digital facilities and between suppliers and Digital.

EL-00178-10 - *DEC STD 178-10 Design Requirements for Product Markings*

This section of DEC STD 178 describes the placement, type face, type styles, and layout for all types of marking and labeling information used on Digital's hardware products.

3 LABEL ARTWORK

The creation of label artwork is done by the Corporate Design Group, located in MLO8-2/L13. The Component Engineering function for all 36-class numbers resides in this group. Contact Dennis Mattson, DTN: 223-5711, SKETCH::MATTSON for creation of label artwork.

4 LABEL QUALITY

Marking shall be durable and easily legible. In considering the durability of the marking, the effect of normal use and cleaning shall be taken into account. All labels must be tested and approved for durability and adhesion by Materials Research Laboratory. Contact Dana DeBlois, MLO5-1/P55, DTN: 223-3058, FRSBEE::DEBLOIS.

Unless specifically exempted, every marking required by this standard shall be permanent. Ink-printed and stenciled markings, decalcomania labels, and pressure-sensitive labels are among the types of marking that are acceptable.

Labels containing UL or CSA marks and/or trademark, model number, and serial number information must be procured from UL/CSA approved label suppliers. The supplier's identification symbol must also appear on the label.

5 MODULE MARKING

The labeling/marking requirements for modules and circuit boards are not addressed within any section of DEC STD 178.

Information regarding the requirements for these products are covered in the following documents.

DEC STD 030-0 Module Manufacturing Standard - Introduction and General Information
DEC STD 119-0 Digital Product Safety - Introduction and General Requirements
DEC STD 176-0 Printed-Wiring Board Acceptance Criteria
DEC STD 265-0 Module Rework and Repair Standard Procedures

APPENDIX A REFERENCED DOCUMENTS

A.1 EL-Class Digital Documents

EL-Class Number	Document Title
EL-00030-00	*DEC STD 030-0 Module Manufacturing Standard - Introduction and General Information*
EL-00119-00	*DEC STD 119-0 Digital Product Safety - Introduction and General Requirements*
EL-00176-00	*DEC STD 176-0 Printed-Wiring Board Acceptance Criteria*
EL-00178-01	*DEC STD 178-1 Digital Marking Requirements for Piece Parts*
EL-00178-02	*DEC STD 178-2 Digital Marking Requirements for Subassemblies: Field Replaceable Units (FRU) and Non-Field Replaceable Units*
EL-00178-03	*DEC STD 178-3 Digital Marking Requirements for Completed Products Intended to Be Sold*
EL-00178-04	*DEC STD 178-4 Shipping Container Marking Requirements for Finished Goods*
EL-00178-05	*DEC STD 178-5 Marking Symbology*
EL-00178-06	*DEC STD 178-6 Marking and Labeling Requirements for Diagnostic Tools and Diagnostic Software*
EL-00178-07	*DEC STD 178-7 Translations*
EL-00178-08	*DEC STD 178-8 General Shipping Documentation and Container Labeling Requirements for Finished Goods Intended to be Shipped to Customers*
EL-00178-09	*DEC STD 178-9 Shipping Container Marking Requirements for Goods in Process*
EL-00178-10	*DEC STD 178-10 Design Requirements for Product Markings*
EL-00265-00	*DEC STD 265-0 Module Rework and Repair Standard Procedures*

Use VTX SMC to order copies of EL-class documents from Standards and Methods Control. Send distribution questions to JOKUR::SMC or call DTN: 234-4423.

```
+---------------------------------------------------------------------+
|                          READER COMMENTS                            |
|                                                                     |
| Your  comments  and suggestions  will help  Standards and Methods   |
| Control improve their services and documents.                       |
+---------------------------------------------------------------------+
```

Did you request this document? _____ If so, did it arrive within a satisfactory period of time? _____ Please comment.

What are your impressions of this document? Consider format, organization, completeness, readability, and illustrations.

————————————**FOLD ON THIS LINE**———————————————————————— -

Did you find technical or clerical errors in this document? If so, please specify the page number(s) and the error(s).

Are the instructions for the update package clear? _____
Was an index available? _____ If not, is one needed? _____
Do you have other suggestions for improving this document?

The following information is optional:

Name _____ Mailstop _____

Department _____ Node _____

Send your comments to JOKUR::PROJECTS, or fold, staple, and send this page through interoffice mail to:

```
+------------------------------+
|       READERS' COMMENTS      |
| STANDARDS AND METHODS CONTROL |
|          NRO4/D4             |
+------------------------------+
```